

What the invention claimed is:

1. A brief numerical keypad comprising:

a plurality of number keys respectively aligned in X-axis and Y-axis directions and abutted against one another, said number

5 keys each respectively expressing one of the numerals from 1~9;

a plurality of double-bridging operation portions respectively bridging the abutted area of each two adjacent number keys; and

a plurality of triple-bridging operation portions
10 respectively bridging the abutted area of each three adjacent number keys.

2. The brief numerical keypad as claimed in claim 1, wherein the number of said number keys is 4.

3. The brief numerical keypad as claimed in claim 2,
15 wherein the four number keys respectively express the numerals "4", "7", "1", and "2".

4. The brief numerical keypad as claimed in claim 3, wherein said number keys comprises two number keys arranged in X-axis direction and respectively express the numerals "1" and "2",
20 and two number keys arranged in Y-axis direction and respectively express the numerals "4" and "7".

5. The brief numerical keypad as claimed in claim 2, wherein the four number keys respectively express the numerals

“3”, “7”, “1”, and “2”.

6. The brief numerical keypad as claimed in claim 5,
wherein said number keys comprises two number keys arranged in
X-axis direction and respectively express the numerals “1” and “2”,
5 and two number keys arranged in Y-axis direction and respectively
express the numerals “3” and “7”.

7. The brief numerical keypad as claimed in claim 2,
wherein the four number keys respectively express the numerals
“4”, “8”, “1”, and “2”.

10 8. The brief numerical keypad as claimed in claim 7,
wherein said number keys comprises two number keys arranged in
X-axis direction and respectively express the numerals “1” and “2”,
and two number keys arranged in Y-axis direction and respectively
express the numerals “4” and “8”.

15 9. The brief numerical keypad as claimed in claim 1,
wherein each of said number keys outputs a signal indicative of the
respectively expressed number when pressed.

10. The brief numerical keypad as claimed in claim 1,
wherein each of said double-bridging operation portions outputs a
20 signal indicative of the sum of the numerals respectively expressed
by the corresponding two number keys when pressed.

11. The brief numerical keypad as claimed in claim 10,
wherein said sum is not equal to the numeral expressed by either of

the two number keys been pressed.

12. The brief numerical keypad as claimed in claim 1,
wherein each of said triple-bridging operation portions outputs a
signal indicative of the sum of the numerals respectively expressed
5 by the corresponding three number keys when pressed.

13. The brief numerical keypad as claimed in claim 12,
wherein said sum is not equal to the numeral expressed by either of
the three number keys been pressed or the sum of the numerals
respectively expressed by either two of the three number keys been
10 pressed.

14. A brief numerical keypad output method comprising the
steps of:

(a) setting a number of number keys aligned in X-axis and
Y-axis directions and keeping said number keys abutted against one
15 another, for enabling said number keys to respectively express one
of the numerals 1~9 and to output a signal indicative of the
respectively expressed number when pressed;

(b) setting the abutted area of each two adjacent number
keys a double-bridging operation portion for outputting a signal
20 indicative of the sum of the numerals respectively expressed by the
corresponding two number keys when pressed; and

(c) setting the abutted area of each three adjacent number
keys a triple-bridging operation portion for outputting a signal

indicative of the sum of the numerals respectively expressed by the corresponding three number keys when pressed.

15. The brief numerical keypad output method as claimed in claim 14, wherein the number of said number keys is 4.

5 16. The brief numerical keypad output method as claimed in claim 15, wherein the four number keys respectively express the numerals "4", "7", "1", and "2"; the number keys expressing the numerals "1" and "2" are aligned in X-axis direction; the number keys expressing the numerals "4" and "7" are aligned in Y-axis
10 direction.

 17. The brief numerical keypad output method as claimed in claim 15, wherein the four number keys respectively express the numerals "3", "7", "1", and "2"; the number keys expressing the numerals "1" and "2" are aligned in X-axis direction; the number
15 keys expressing the numerals "3" and "7" are aligned in Y-axis direction.

 18. The brief numerical keypad output method as claimed in claim 15, wherein the four number keys respectively express the numerals "4", "8", "1", and "2"; the number keys expressing the
20 numerals "1" and "2" are aligned in X-axis direction; the number keys expressing the numerals "4" and "8" are aligned in Y-axis direction.

 19. The brief numerical keypad output method as claimed in

claim 14, further comprising the step (d) deducting the sum by 10 before output when the sum produced by the pressing of one double-bridging operation surpassed 10.

20. The brief numerical keypad output method as claimed in
- 5 claim 14, further comprising the step (d) deducting the sum by 10 before output when the sum produced by the pressing of one triple-bridging operation surpassed 10.